IEEE BUENAVENTURA SECTION
Aerospace & Electronics Systems Chapter,
Electron Devices/Circuits & Systems Chapter,
&
Life Members Affinity Group

JOINT MTG: AESS, EDCAS, LMAG

REACHING FOR ZERO G's

Date: **May 17, 2012**

Time: **6:30 pm Refreshments and Networking,**
7:00 pm Talk

Venue: **Vitesse Semiconductor Corp.**
741 Calle Plano,
Camarillo, CA 93012

I guess the line in Toy Story was "To infinity and beyond". Reaching for Zero G's will take you on a levitating romp through the physics and reality of taking a ride at zero g's and getting back in time for dinner. Call it "air time" or "off-the-seat", it all boils down to physics. We are going to look at the realities and the challenges of taking a rider to zero g's. How close have we come to making this objective a reality? What machines will get us to that point? The mystery will be resolved and the fun will begin.

Please RSVP to Sunil Pai (paisunils@ieee.org) if you wish to attend this meeting.

Speaker: David Collins

From ENIAC to BIZMAC to EDVAC, David cut his teeth on the frontiers of computer hardware. The next step was to apply some of the newly emerging technology of computers to designing the Flight-Sequencer / Controller to control the booster that was to put the Ranger Spacecraft into orbit around the moon. David was part of the team that developed new ECM systems and Decoy and Deception systems for tactical applications in the air and on the ground. After nearly a quarter of a century David took a giant leap into development of large, commercial solar energy systems and pioneered early practical applications of solar energy. Not satisfied with getting into hot water, David took a giant leap into the manufacture of commercial laser systems for welding, drilling and marking. An invitation to join Disney Imagineering set David on course for the next quarter of a century. His adventures in Amusement Ride Engineering took him to the forefront of Entertainment Motion Simulator technology. Although David is still very active in the design, development, commissioning and inspection of amusement rides he still gets a chance to dip back into aerospace. He has done work on technology maturation studies for UAVs and evaluation of Autonomous Aerial Refueling of UAVs. Right now David is having a lot of fun working with the development of new rides and attractions. He says "one of these days I will figure out what to do when I grow up. Right now I am having too much fun".